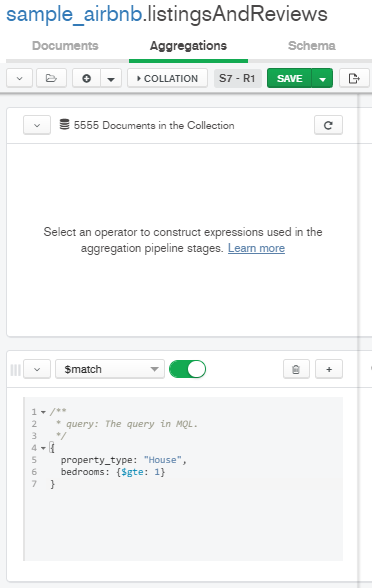
**RETO 1**







[{$match: {

property\_type: "House",

bedrooms: {$gte: 1}

}}, {$addFields: {

costo\_recamara: {$divide: ["$price", "$bedrooms"]}

}}, {$group: {

\_id: "$address.country",

recamaras: {

$sum: 1

},

total: {

$sum: "$costo\_recamara"

}

}}, {$addFields: {

costo\_promedio: {

$divide: ["$total", "$recamaras"]

}

}}]

**RETO 2**





[{$lookup: {

from: 'users',

localField: 'email',

foreignField: 'email',

as: 'usuario'

}}, {$addFields: {

usuario\_obj: {$arrayElemAt: ["$usuario",0]}

}}, {$addFields: {

usuario\_pass: "$usuario\_obj.password"

}}, {$project: {

\_id:0,

name:1,

email:1,

usuario\_pass:1

}}]

**RETO 3**

